

GILA RIVER BASIN

09485500 PANTANO WASH NEAR TUCSON, AZ

LOCATION.--Lat 32°14'57", long 110°50'53", NW¹/₄NE¹/₄ sec.6, T.14 S., R.15 E., Pima County, Hydrologic Unit 15050302, at Tanque Verde Road 0.7 mi northeast of Tucson city limits, and 1.75 mi above mouth.

DRAINAGE AREA.--602 mi².

Annual peak discharge

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1940	08-13-40	9,200	HP	1972	09-07-72	180	
1958	08-12-58	¹ 20,000	HP	1973	10-19-72	500	ES
1965	08-18-65	250		1974	07-20-74	600	ES
1966	08-13-66	2,820		1975	07-16-75	3,490	
1967	07-12-67	4,120		1976	08-10-76	3,080	
1968	12-20-67	2,420		1979	00-00-79	1,530	
1969	08-05-69	1,250		1980	00-00-80	1,000	
1970	07-20-70	6,480		1981	00-00-81	9,700	
1971	08-20-71	² 12,800		1984	10-01-83	11,000	HP

¹Highest since 1930.

²Highest since 1958.

Magnitude and probability of instantaneous peak flow based on period of record 1940, 1958, 1965-76, 1979-81, 1984

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
1,720	4,620	7,540	12,500	17,100	22,600
Weighted skew	(logs) =	-0.22			
Mean	(logs) =	3.22			
Standard dev.	(logs) =	0.53			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
56.4	54.4	4,560	16.0	1.1	17.1	1.9	4.1

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09485500 PANTANO WASH NEAR TUCSON, AZ--Continued

